

Serial No. 10/520,238
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Amendments To The Claims:

Please amend the claims as shown.

1 – 12 (cancelled)

13. (previously presented) An oxidation resistant component, comprising:

a substrate; and

a protective layer, comprising:

an intermediate MCrAlY layer near the substrate wherein M is an element selected from the group consisting of Co, Fe, and Ni;

an outer layer arranged on the intermediate MCrAlY layer zone and comprising the elements Al in the range of 21wt% to 37wt%, Ni, Chromium, and Cobalt and having the structure of the phase β -NiAl.

14. (previously presented) The oxidation resistant component according to claim 13, wherein the Chromium and Cobalt in the outer layer do not destroy the phase β -NiAl.

15. (previously presented) The oxidation resistant component according to claim 13, wherein the protective layer consists of two separated layers.

16. (previously presented) The oxidation resistant component according to claim 13, wherein the component is a turbine component having application in a gas turbine.

17. (previously presented) The oxidation resistant component according to claim 13, wherein a continuously graded concentration of the composition of the intermediate and outer layers is inside the protective layer.

18. (previously presented) The oxidation resistant component according to claim 13, wherein the outer layer is thinner than the intermediate layer.

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19. (previously presented) The oxidation resistant component according to claim 13, wherein the intermediate MCrAlY-layer has a composition (in wt%): 10% – 50% Co, 10% – 40% Cr, 6% – 15% Al, 0,02% – 0,5% Y, Ni base.
20. (previously presented) The oxidation resistant component according to claim 13, wherein the intermediate MCrAlY-layer or the outer layer contains an additional element.
21. (previously presented) The oxidation resistant component according to claim 20, wherein the additional element is selected from the group consisting of (in wt%): 0.1% - 2% Si, 0.2% - 8% Ta, and 0.2% - 5% Re.
22. (currently amended) The oxidation resistant component according to claim 13, wherein ~~the Yttrium of MCrAlY of the intermediate MCrAlY-layer or the outer layer~~ further comprises is added and partly replaced by an element out of the group consisting of Hf, Zr, La, Ce and other elements of the Lanthanide group.
23. (cancelled)
24. (previously presented) The oxidation resistant component according to claim 13, wherein an element out of the group Hf, Zr, La, Ce, and other elements of the Lanthanide group is added to the outer layer.
25. (previously presented) The oxidation resistant component according to claim 24, wherein the maximum amount of further elements is 1wt%.
26. (previously presented) The oxidation resistant component according to claim 13, wherein the MCrAlY layer contains Ti and Sc.
27. (previously presented) The oxidation resistant component according to claim 13, wherein the MCrAlY layer contains Ti or Sc.

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28. (previously presented) The oxidation resistant component according to claim 13, wherein a thermal barrier coating is formed on the outer layer.

29. (previously presented) The oxidation resistant component according to claim 28, wherein a heat treatment prior to applying the thermal barrier coating is accomplished in an atmosphere with a low oxygen partial pressure in the range of 10^{-7} to 10^{-15} bar.

30. (previously presented) An oxidation resistant turbine component in a combustion turbine, comprising:

a substrate; and

a protective layer, comprising:

an intermediate MCrAlY layer near the substrate wherein M is an element selected from the group consisting of Co, Fe, and Ni;

an outer layer arranged on the intermediate MCrAlY layer zone and comprising the elements Al in the range of 21wt% to 37wt%, Ni, Chromium, and Cobalt and having the structure of the phase β -NiAl.

31. (previously presented) The oxidation resistant component according to claim 30, wherein the intermediate MCrAlY-layer has a composition (in wt%): 10% – 50% Co, 10% – 40% Cr, 6% – 15% Al, 0,02% – 0,5% Y, Ni base.

32. (currently amended) The oxidation resistant component according to claim 30, wherein ~~the Yttrium of MCrAlY of the intermediate MCrAlY layer or the outer layer~~ further comprises is added or partly replaced by an element out of the group consisting of Hf, Zr, La, Ce and other elements of the Lanthanide group.